

## Title (en)

GENE EXPRESSION SIGNATURES IN BLOOD LEUKOCYTES PERMIT DIFFERENTIAL DIAGNOSIS OF ACUTE INFECTIONS

## Title (de)

GENEXPRESSIONSSIGNATUREN IN BLUTLEUKOZYTEN ZUR DIFFERENTIELLEN DIAGNOSE AKUTER INFEKTIONEN

## Title (fr)

SIGNATURES D'EXPRESSION GÉNIQUE DANS LES LEUCOCYTES SANGUINS PERMETTANT LE DIAGNOSTIC DIFFÉRENTIEL D'INFECTIONS AIGUËS

## Publication

**EP 2057286 A4 20100616 (EN)**

## Application

**EP 07840869 A 20070810**

## Priority

- US 2007075713 W 20070810
- US 83714806 P 20060811

## Abstract (en)

[origin: WO2008024642A2] The present invention includes compositions, systems and methods for the early detection and consistent determination of the extent, type and nature of a host immune response and the nature of the infectious disease using gene expression data.

## IPC 8 full level

**C12Q 1/68** (2006.01); **C12P 19/34** (2006.01); **G01N 33/48** (2006.01)

## CPC (source: EP US)

**C12Q 1/6883** (2013.01 - EP US); **C12Q 2600/112** (2013.01 - EP US); **C12Q 2600/156** (2013.01 - EP US); **C12Q 2600/158** (2013.01 - EP US)

## Citation (search report)

- [A] US 2005227222 A1 20051013 - BRAUN JEROME J [US], et al
- [A] WO 2004109477 A2 20041216 - MCI INC [US], et al
- [X] KAWADA JUN-ICHI ET AL: "Analysis of gene-expression profiles by oligonucleotide microarray in children with influenza.", THE JOURNAL OF GENERAL VIROLOGY JUN 2006 LNKD- PUBMED:16690933, vol. 87, no. Pt 6, June 2006 (2006-06-01), pages 1677 - 1683, XP002580571, ISSN: 0022-1317
- [A] JENNER R G ET AL: "Insights into host responses against pathogens from transcriptional profiling", NATURE REVIEWS. MICROBIOLOGY, NATURE PUBLISHING GROUP, GB LNKD- DOI:10.1038/NRMICROL1126, vol. 3, no. 4, 1 April 2005 (2005-04-01), pages 281 - 294, XP008110402, ISSN: 1740-1526
- [A] DAMIEN CHAUSSABEL ET AL: "Analysis of Significance Patterns Identifies Ubiquitous and Disease-Specific Gene-Expression Signatures in Patient Peripheral Blood Leukocytes", ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, NEW YORK ACADEMY OF SCIENCES, NEW YORK, NY, US LNKD- DOI:10.1196/ANNALS.1358.017, vol. 1062, 1 December 2005 (2005-12-01), pages 146 - 154, XP009090837, ISSN: 0077-8923
- [A] CAMPBELL C J ET AL: "Molecular signatures for diagnosis of infection: application of microarray technology", JOURNAL OF APPLIED MICROBIOLOGY, OXFORD, GB LNKD- DOI:10.1046/J.1365-2672.2003.02112.X, vol. 96, no. 1, 1 January 2003 (2003-01-01), pages 18 - 23, XP002458495, ISSN: 1364-5072
- [XP] RAMILO OCTAVIO ET AL: "Gene expression patterns in blood leukocytes discriminate patients with acute infections.", BLOOD 1 MAR 2007 LNKD- PUBMED:17105821, vol. 109, no. 5, 1 March 2007 (2007-03-01), pages 2066 - 2077, XP002580520, ISSN: 0006-4971
- See references of WO 2008024642A2

## Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

## DOCDB simple family (publication)

**WO 2008024642 A2 20080228; WO 2008024642 A3 20081204; WO 2008024642 A8 20110217**; AU 2007286915 A1 20080228; AU 2007286915 A2 20090709; AU 2007286915 B2 20140515; CA 2695935 A1 20080228; CN 101541976 A 20090923; EP 2057286 A2 20090513; EP 2057286 A4 20100616; JP 2010500038 A 20100107; JP 2013066474 A 20130418; SG 177956 A1 20120228; US 2008171323 A1 20080717

## DOCDB simple family (application)

**US 2007075713 W 20070810**; AU 2007286915 A 20070810; CA 2695935 A 20070810; CN 200780038103 A 20070810; EP 07840869 A 20070810; JP 2009524013 A 20070810; JP 2012255823 A 20121122; SG 2012000949 A 20070810; US 83723707 A 20070810